

**To:** Robert Law[rlaw@demaximis.com]  
**From:** Vaughn, Stephanie  
**Sent:** Tue 3/31/2015 12:04:35 PM  
**Subject:** Bioaccumulation model, request for additional information....

Hi Rob,

We are reviewing the bioaccumulation model and need some additional information in order to understand your approach and incorporate it into our review. Is there a documentation file you can send? Specifically, we would like additional information on at least the following topics:

- Data reduction process used for fish tissue and chemical-concentration data
  - Fish tissue samples and averaging used to get the values on the “Empirical Tissue” tab of the steady state model spreadsheet.
- Documentation of assumptions regarding the home range/exposure area of the species being modeled.
  - Justification for spatial extents used for model data comparisons considering the home range of species modeled, and spatial variations in exposure and tissue concentrations.
- Choices for model-to-data comparison to assess calibration
  - Species used for calibration and the consistency of the temporal and spatial extents of the tissue data and exposure concentrations.
- Documentation of the Kocs, Kow and Dw used in the model(s)
- Basis for reported parameter-calibration ranges for invertebrate dietary assimilation efficiencies
- Basis for reported parameter-calibration ranges for 2,3,7,8-TCDD metabolism rates
- Sources or data analysis behind food-web composition and dietary preferences for each species
- Sources or data analysis behind organism weight and lipid-content assumptions

Thanks,

Stephanie